

ALL PATENTS, INCLUDING DESIGN  
FOR APPLICATION BASED ON PCT; PARIS CONVENTION;  
NON PRIORITY; OR PROVISIONAL APPLICATIONS

DECLARATION  
AND POWER OF ATTORNEY  
U.S.A.

FOR ATTORNEYS USE ONLY  
ATTORNEYS' DOCKET NO.

182

As a below named inventor, I declare that my residence, post office address and citizenship are stated below next to my name, the information given herein is true, that I believe that am the original (first) sole inventor (first) one name related at 201 below, of an original, first and sole inventor (first) sole inventor (first) one name related at 201-205, or an additional sheet attached hereto of the subject matter which is claimed and for which patent is sought on the invention entitled:

*C. difficile vaccine.*

which is described and claimed in:

☒ the attached specification

☐ PCT International Application No. \_\_\_\_\_

☐ the specification in application Serial No. \_\_\_\_\_

(if applicable) and amended on \_\_\_\_\_

I hereby state that I have reviewed and understand the contents of the above/indicated specification, including the claims, as amended by any amendment referred to above

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §119 (a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

2001/0137

(Number)

Ireland

(Country)

9 February 2001

(Day/Month/Year Filed)

Priority claimed

☒ Yes ☐ No

(Number)

(Country)

(Day/Month/Year Filed)

☐ Yes ☐ No

(Number)

(Country)

(Day/Month/Year Filed)

☐ Yes ☐ No

I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional application(s) listed below.

Application No.

Filing Date

Application No.

Filing Date

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

(Application Serial No.)

(Filing Date)

(Status: patented, pending, abandoned)

POWER OF ATTORNEY As a named inventor, I hereby appoint the following attorney (Registration No. 1) to prosecute this application, receive and act on instructions from my agent, and transact all business in the Patent and Trademark Office connected therewith. HARVEY B. JACOBSON, JR. (20,851); JOHN CLARKE HOLMAN (22,709); MARVIN R. STERN (20,840); ALLEN B. WELSER (27,315); MICHAEL R. SLOBASKO (26,421); JONATHAN L. SCHERER (28,851); IRVIN M. ASENSBERG (18,007); WILLIAM E. PLAYER (31,408); YOON S. HAM (45,307) and NATHANIEL A. HUMPHRIES (22,772)

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JACOBSON HOLMAN  
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I further declare that all statements made herein of my own knowledge are true and that all statements made on information received are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment both, under section 1001 of the United States Code; and that such willful false statements are also punishable under the laws of the State of New York.

SIGNATURE OF INVENTOR 201	SIGNATURE OF INVENTOR 202	SIGNATURE OF INVENTOR 203
<i>Harvey B. Jacobson, Jr.</i>	<i>Rachael Doyle</i>	<i>Dermot Kelleher</i>
DATE 7/2/02	DATE 21-1-02	DATE 7/2/02

X Additional inventors are named on separately numbered sheets attached hereto

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JACOBSON HOLMAN PLLC  
 ADDITIONAL INVENTORS

\* Inventor(s) name must include at least one unabbreviated first or middle name.

204	FULL NAME * OF INVENTOR	FAMILY NAME Walsh	GIVEN NAME James	MIDDLE NAME Bernard
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	POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE OR COUNTRY

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are to be true, and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment or both, under section 1001 of Title 18 of the United States Code; and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

SIGNATURE OF INVENTOR 204 *	SIGNATURE OF INVENTOR 205 *	SIGNATURE OF INVENTOR 206 *
<i>James Walsh</i>	<i>Deirdre Ni Eidiin</i>	
DATE 8/1/2002	DATE 7-FEB-2002	DATE

□ Additional inventors are named on separately numbered sheets attached hereto.  
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Legal Offices of  
**JACOBSON HOLMAN**  
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400 SEVENTH STREET, N.W.  
WASHINGTON, DC 20004  
Attn: Docket No.

### SMALL ENTITY DECLARATION

[37 CFR 1.9(c-f)]

Each undersigned declares that:

(1) ☒ the application attached hereto.

(2) ☐ U.S. Application Serial No. \_\_\_\_\_ filed \_\_\_\_\_

(3) ☐ U.S. Patent No. \_\_\_\_\_ issued \_\_\_\_\_

is entitled to the benefits of "small entity" status for paying reduced fees under 36 USC 41(a) and (b) to the Patent and Trademark Office by virtue of the following:

(4) ☐ Each undersigned declares that he/she qualifies as an independent inventor, or would qualify had he/she made the invention, as defined in 37 CFR 1.9(c).

(5) ☐ The undersigned declares that he/she is an official empowered to act on behalf of the concern identified below; that this concern qualifies as a small business concern as defined in 37 CFR 1.9(d); that exclusive rights to the invention have been conveyed to and remain with the small business concern, or if the rights are not exclusive, that all other rights belong to small entities as defined in 37 CFR 1.9.

(6) ☐ The undersigned declares that he/she is an official empowered to act on behalf of the organization identified below; that this organization qualifies as a nonprofit organization as defined in:

(a) ☒ 37 CFR 1.9(a)(1)

(b) ☐ 37 CFR 1.9(a)(2)

(c) ☐ 37 CFR 1.9(a)(3)

(d) ☐ 37 CFR 1.9(a)(4) State law of \_\_\_\_\_

that exclusive rights to the invention have been conveyed to and remain with the organization, or if the rights are not exclusive, that all other rights belong to organizations as defined in 37 CFR 1.9.

(7) Each person, concern or organization to which I/we have assigned, granted, conveyed or licensed, or am under an obligation under contract or law to assign, grant, convey, or license any rights in the invention is listed below:

(a) ☒ no such person, concern or organization

(b) ☐ persons, concerns or organization listed below

(A separate declaration is required from each named person, concern or organization having rights to this invention relating to their status as "small entities.")

Full Name \_\_\_\_\_

Address \_\_\_\_\_

☐ Individual

☐ Small Business Concern

☐ Nonprofit Organization

I/we acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement of small entity prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.28(a))

I/we hereby declare all statements made herein of my/our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application, any patent issued thereon, or any patent to which this declaration is directed.

(8)	_____ Typed Name of Inventor	_____ Signature	_____ Date
	_____ Typed Name of Inventor	_____ Signature	_____ Date
	_____ Typed Name of Inventor	_____ Signature	_____ Date
	_____ Typed Name of Inventor	_____ Signature	_____ Date

(9) \_\_\_\_\_  
Name of Small Business Concern or Nonprofit Organization

Provost, Fellows and Scholars of the College of the Holy and Undivided Trinity of Queen Elizabeth, near Dublin	By	<u>Eoin P. O'Neill</u>	<u>11/02/02</u>
Typed Name		Signature	Date
Director of Innovation Services - Eoin O'Neill			
Title of Signatory			

SMH 222M (Continued without alterations permitted)

201210-063500T